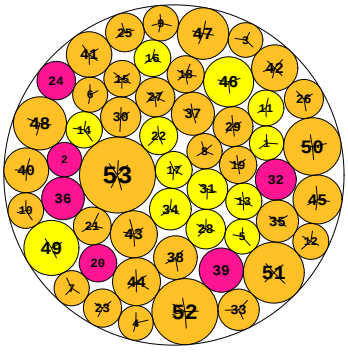
N = 53

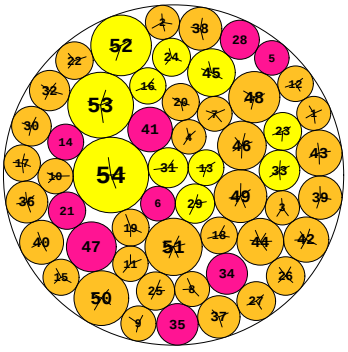
53 circles in a circle



radius = 0.223159727243 density = 0.847332228909
ratio = 4.481095278047 contacts = 94

N = 54

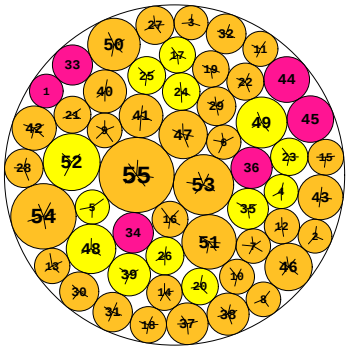
54 circles in a circle



radius = 0.221865564750 density = 0.847515025734
ratio = 4.507233923951 contacts = 89

N = 55

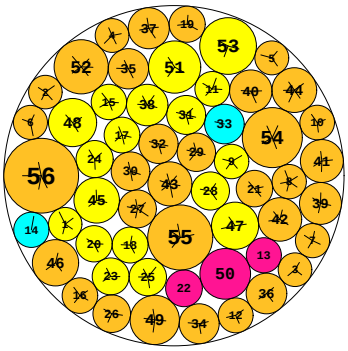
55 circles in a circle



radius = 0.220586952714 density = 0.847569937774
ratio = 4.533359691926 contacts = 98

N = 56

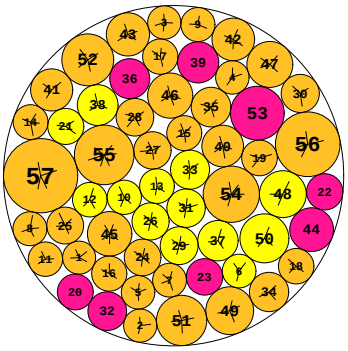
56 circles in a circle



radius = 0.219664248261 density = 0.850137777206
ratio = 4.552402167930 contacts = 104

N = 57

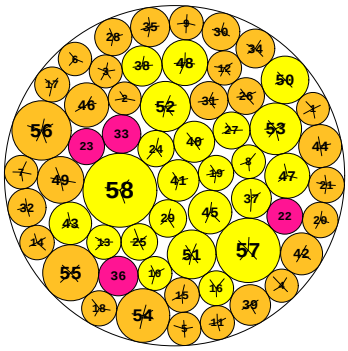
57 circles in a circle



radius = 0.218181884536 density = 0.848149354872
ratio = 4.583331939431 contacts = 98

N = 58

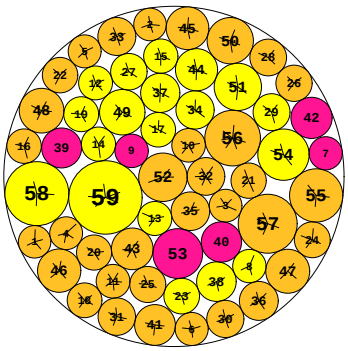
58 circles in a circle



radius = 0.217189245375 density = 0.849745638314
ratio = 4.604279545584 contacts = 108

N = 59

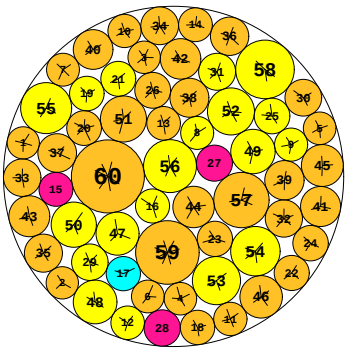
59 circles in a circle



radius = 0.215799455565 density = 0.848020488179
ratio = 4.633931987375 contacts = 106

N = 60

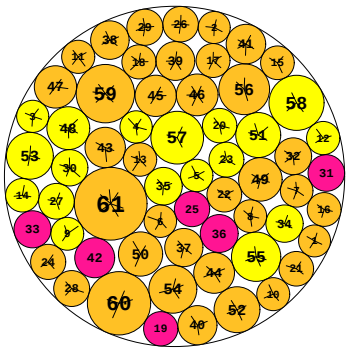
60 circles in a circle



radius = 0.214546032482 density = 0.847147143698
ratio = 4.661004393468 contacts = 113

N = 61

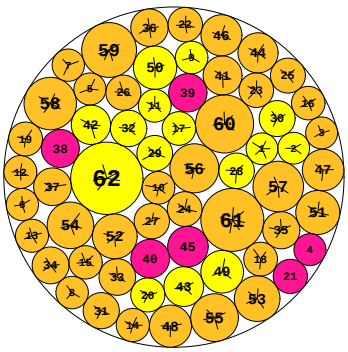
61 circles in a circle



radius = 0.213686180138 density = 0.849189431960
ratio = 4.679759820467 contacts = 110

N = 62

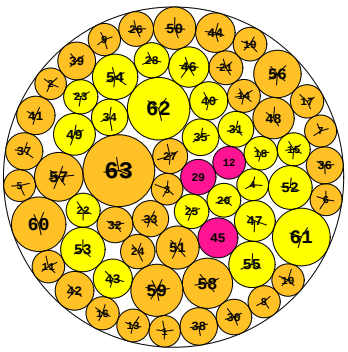
62 circles in a circle



radius = 0.212587886983 density = 0.849154647009
ratio = 4.703936871439 contacts = 112

N = 63

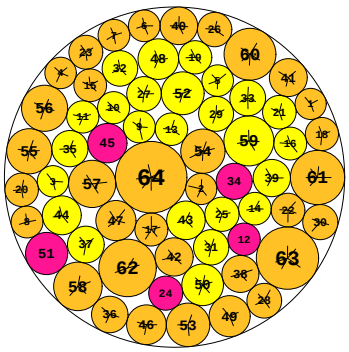
63 circles in a circle



radius = 0.211206913801 density = 0.846663356564
ratio = 4.734693490864 contacts = 120

N = 64

64 circles in a circle



radius = 0.210314293460 density = 0.847902416330
ratio = 4.754788576410 contacts = 118